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INVESTIGATION OF SKYLAB DATA

EREP No. 472-2

October 1974

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Principal Investigations Management Office

Lyndon B. Johnson Space Center

Clayton Forbes

(E75-10300) INVESTIGATION OF SKYLAB DATA
Monthly Progress Report, Oct. 1974 (Michigan
State Univ.) 4 p HC \$3.25 CSCL 09D

N75-25247

Unclas
G3/43 00300

Lester V. Manderscheid

Michigan State University

Monthly Plans and Progress Report

Contract NAS 9-13332
Monthly Plans and Progress Report
October 1974

Activity was minimal while delivery of S-192 data was
awaited.

Subcontract Report #1 Prime NAS 9-13332 attached.

Attachment:

104600-25-L
5 November 1974

Skylab Support
Progress Report, October 1974

Subcontract #1 Prime NAS9-13332

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104600-25-L

Skylab Support
Progress Report, October 1974

The following report serves to report progress for October 1974 on Subcontract #1 of contract NAS9-13332. The financial reports for this contract are being submitted under separate cover.

The objective of this subcontract is to support the Skylab EREP effort of Michigan State University by: 1) performing standard recognition processing and producing recognition maps and area counts, 2) assisting in the analysis and interpretation of the recognition maps and other extracted information, 3) further developing and adapting, for use on Skylab EREP data, methods for estimating proportions of unresolved objects, and 4) applying proportion estimation techniques to one frame of EREP data to determine to what extent the accuracy of crop acreage estimates is improved.

During the previous three months, we had performed some analysis on the S-192 data set of the Michigan Test Site, which had been provided through ERIM's EOS systems study. The results of this effort showed that the data product we were working with, which is an interim data product only, exhibited a very small dynamic range in the data, such that differences in signals between object classes are close to or less than the basic quantizing level on the data tape. Such data severely limits any analysis effort. Therefore, it was decided to suspend processing on the interim data product and await the arrival of the final EREP data product which, it is hoped, will be far more viable for processing.

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